

## Technical Data Sheet

# Durostone<sup>®</sup> PMP 325

### Typical characteristics

- Good mechanical properties
- Electrically insulating
- Chemical resistant
- Flame retardant
- Self-extinguishing
- Good handling
- Low weight
- Good weather resistance
- Smooth surface
- Good thermal insulation
- Homogeneously smooth surface for good paint adhesion

### Typical industries

- Industrie de l'équipement électrique
- Construction de véhicules
- Bus et autocars
- La technique ferroviaire et les véhicules ferroviaires
- Ingénierie des transports et infrastructures
- Healthcare
- L'énergie éolienne

	Test method	Unit	Guideline value
<b>General properties</b>			
Standard Color			RAL 7035
<b>Mechanical properties</b>			
Flexural strength <sup>⊥</sup>	ISO 178	MPa	170
Modulus of elasticity in flexion <sup>⊥</sup>	ISO 178	MPa	11000
Compressive strength <sup>⊥</sup>	ISO 604	MPa	220
Tensile strength II	ISO 527	MPa	100
<b>Thermal properties</b>			
Flammability	IEC 60707	/	VO/3mm
Coefficient of linear expansion <sup>⊥</sup>	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	55 to 65
Coefficient of linear expansion II	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	15 to 25
Temperature of deflection under load	IEC 893-2	°C	>200
Thermal conductivity	ISO 8302	W/m K	0.3
<b>Physical properties</b>			
Glass content	ISO 11667	%	30

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	Test method	Unit	Guideline value
<b>Dielectrical properties</b>			
Electric strength 90°C under oil <sup>⊥</sup>	IEC 60243	kV / mm	12
Electric strength 90°C under oil	IEC 60243	kV/25mm	75
Comparative tracking index	IEC 60112	CTI	600

= perpendicular to the lamination || = parallel to the lamination

<sup>1)</sup> Extrapolated value

<sup>2)</sup> Thermal conductivity calculated by means of reference measurements on samples of 300 x 200 x 10 mm

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: [www.roechling-industrial.com/gtc](http://www.roechling-industrial.com/gtc)

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